

What Is Claimed Is:

1. A traffic control method of a wireless mobile communication, comprising:

a channel allocation step for allocating data
5 transmission/reception channels to a reserve access channel based on a spreading code method for transmitting reserve packets for channel reservation and traffic channels for transmitting information packets;

a channel division step for dividing the channels
10 into a plurality of slots to control all packet transmission for data transmission/reception in slot units; and

a data transmission step for controlling the data
transmission according to a reserve channel permission
15 probability transmitted from a plurality of terminals to a base station.

2. The method of claim 1, wherein the data
transmission step further comprises a transmission
20 permission step for transmitting a PN code for transmitting the information packet and slot information to the corresponding terminal, when the base station receives the reserve channel from the terminal.

25 3. The method of claim 1, wherein the respective

users transmit their reserve packets in one slot according to the spread ALOHA in the reserve access channel based on the spreading code method.

5 4. The method of claim 1, wherein the reserve channel permission probability is calculated according to a number of accessible users in one frame for transmission of a voice terminal, a number of accessible users for transmission of a data terminal, and an average of number
10 information of terminals attempting to access in the previous frames.

15 5. The method of claim 4, wherein the number of the users accessible to the voice traffic in one frame period is identical to the number of the slots for the voice terminal.

20 6. The method of claim 4, wherein the number of the users accessible to the data is calculated by multiplying the number of the slots for the data terminal by the maximum number of the simultaneous accessible users in one slot without causing an error due to interference.

25 7. The method of claim 4, wherein an average K_{pre} of numbers of the terminals attempting to access the reserve

access channel based on the spreading code method in the previous frames is represented by the following formula('n' denotes a number of the previous frames used to calculate K_{pre} , and T_i denotes a number of the terminals attempting to
5 access the reserve access channel in the previous i-th frame):

$$K_{pre} = \frac{1}{n} \sum_{i=1}^n T_i$$

8. The method of claim 4, wherein a reserve channel
10 permission probability of the voice terminal and a reserve channel permission probability of the data terminal are used as the reserve channel permission probability.